

<b>Form PTO-1449</b> (modified) List of Patents and Publications For Applicant's Information Disclosure Statement (Use several sheets if necessary)		ATT'Y. DOCKET NO: 5777-00201  APPLICANT: Lockwood et al.  FILING DATE: July 29, 2003	SERIAL NO: 10/629,538  CONF. NO.: 6864  ART UNIT: 1614
<b>OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)</b>			
RW	B1	Buchwald, M. and W.P. Jencks. "Optical properties of astaxanthin solutions and aggregates." <i>Biochemistry</i> 1968, 7: 1834-843.	
RW	B2	Reznikoff <i>et al</i> "Quantitative and Qualitative Studies of Chemical Transformation of Cloned C3H1 Mouse Embryo Cells Sensitive to Postconfluence Inhibition of Cell Division." <i>Cancer Research</i> , 1973, 33:2339-2349.	
RW	B3	Andrewes <i>et al.</i> "Animal carotenoids. 9. On the absolute configuration of astaxanthin and actinocerythrin." <i>Acta Chem. Scand.</i> 1974, B28:730-736.	
RW	B4	Salares <i>et al.</i> "Resonance Raman spectra of lobster shell carotenoproteins and a model astaxanthin aggregate. A possible photobiological function for the yellow protein." <i>Biochemistry</i> 1977, 16:4751-4756.	
RW	B5	Salares <i>et al.</i> "Excited state (exciton) interactions in polyene aggregates". <i>J. Raman Spectr.</i> 1977, 6: 282-288.	
RW	B6	Halliwell, B. "Superoxide-dependent formation of hydroxyl radicals in the presence of iron chelates. Is it a mechanism for hydroxyl radical production in biological systems?" <i>FEBS Lett</i> 1978, 92:321-326.	
RW	B7	Harada <i>et al.</i> "Circular dichroic power due to chiral exciton coupling between two polyacene chromophores." <i>J. Am. Chem. Soc.</i> 1978, 100:4029-4036.	
RW	B8	Stuber <i>et al.</i> "A new synthesis of L-threo-hex-2-enar-1,4-lactone ("saccharoascorbic" acid): a method for the protection of the endiol of ascorbic acid." <i>Carb. Res.</i> 1978, 60:251-258.	
RW	B9	Bock <i>et al.</i> "Preparation of some bromodeoxyaldonic acids." <i>Carb. Res.</i> 1979, 68:313-319.	
RW	B10	Merriman and Bertram "Reversible inhibition by retinoids of 3-methylcholanthrene- induced neoplastic transformation in C3H10T1/2 cells." <i>Cancer Research</i> 1979, 39:1661-1666	
RW	B11	Noack and Thomson "Conformation and optical-activity of all-trans, mono-cis, and di-cis carotenoids - temperature-dependent circular-dichroism." <i>Helv. Chim. Acta</i> 1979, 62: 1902-1921.	
RW	B12	Müller <i>et al.</i> "Contribution to the analytical separation and the synthesis of 3-hydroxy-4-oxocarotenoids." <i>Helv. Chim. Acta</i> 1980, 63:1654-1664. German, Abstract Engl.	
RW	B13	Sturzenegger <i>et al.</i> "Classification of the CD spectra of carotenoids." <i>Helv. Chim. Acta</i> 1980, 63:1074-1092.	

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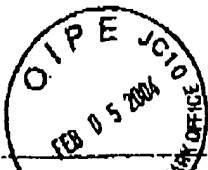
Robin Wall

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RW	B14	Bernhard <i>et al.</i> "Synthesis of optically-active natural carotenoids and structurally related-compounds. 9. Synthesis of (3R)-hydroxyechinenone, (3R,3'R)-adonixanthin and (3R,3'S)-adonixanthin, (3R)-adonirubin, their optical antipodes and related-compounds." <i>Helv. Chim. Acta</i> . 1981, 64:2469-2484. Summary Engl. Article German.	
RW	B15	Noack and Thomson "Temperature and concentration dependent circular-dichroism of mono- <i>cis</i> and di- <i>cis</i> isomers of (3R,3'S)-astaxanthin diacetate." <i>Helv. Chim. Acta</i> . 1981, 64: 2383-2392.	
RW	B16	Braunwald and Kloner "The stunned myocardium-prolonged post-ischemic ventricular dysfunction." <i>Circulation</i> 1982, 66:1146-1149.	
RW	B17	Harada and Nakanishi "Circular Dichroic Spectroscopy - Exciton Coupling in Organic Stereochemistry", 1983, University Science Books, Mill Valley (CA).	
RW	B18	Goodman "Mechanisms of disease: Vitamin A and retinoids in health and disease." <i>New England Journal Medicine</i> 1984, 310:1023-1031.	
RW	B19	Bertram. "Neoplastic Transformation in Cell Cultures: In Vitro/In-Vivo Correlations." <i>IARC Sci. Pub.</i> 1985, 67:77-91.	
RW	B20	Myers <i>et al.</i> "Enhancement of recovery of myocardial function by oxygen free radical scavengers after reversible myocardial ischemia." <i>Circulation</i> 1985, 72:915-921	
RW	B21	Ambrosio <i>et al.</i> "Reduction in experimental infarct size by recombinant human superoxide dismutase: insights into the pathophysiology of reperfusion injury." <i>Circulation</i> 1986, 74:1424-1433.	
RW	B22	Blaustein <i>et al.</i> "Influence of exogenously generated oxidant species on myocardial function." <i>American Journal of Physiology</i> 1986, 250: H595-H599.	
RW	B23	Gey, K. F. "On the antioxidant hypothesis with regard to atherosclerosis." <i>Bibliothca Nutr. Dieta</i> 1986, 37:53-91.	
RW	B24	Bolli <i>et al.</i> "The iron chelator desferrioxamine attenuates postischemic ventricular dysfunction." <i>American Journal of Physiology</i> 198, 7253:H1372-H1380.	
RW	B25	Bolli <i>et al.</i> "Attenuation of dysfunction in the postischemic 'stunned' myocardium by dimethylurea." <i>Circulation</i> 1987, 76:458-468.	
RW	B26	Gross <i>et al.</i> "Beneficial actions of superoxide dismutase and catalase in stunned myocardium of dogs." <i>American Journal of Physiology</i> 1986, 250:H372-H377	
RW	B27	Hearse <i>et al.</i> "Xanthine oxidase: a critical mediator of myocardial injury during ischemia and reperfusion." <i>Acta Physiol Scand</i> 1986, 548:65-74.	
RW	B28	Such <i>et al.</i> "Beneficial effects of N-acetylcysteine on acute myocardial infarction in open chest dogs." <i>Arch Pharmacol Toxicol</i> 1986, 12:37-40.	

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## FOREIGN PATENT DOCUMENTS

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RW	B29	Bolli <i>et al.</i> "The iron chelator desferioxamine attenuates postischemic ventricular dysfunction." <i>American Journal of Physiology</i> 1987, 253:H1372-H1380	
RW	B30	Bolli, R. "Oxygen-derived free radicals and post-ischemic myocardial dysfunction ('stunned myocardium')." <i>Journal of the American College of Cardiology</i> 1988, 12:239-249.	
RW	B31	Cross <i>et al.</i> "Oxygen radicals and human disease." <i>Ann. Intern. Med.</i> 1987, 107:526-545.	
RW	B32	Simpson <i>et al.</i> "Free radicals and myocardial ischemia and reperfusion injury." <i>J Lab Clin Med</i> 1987, 110:13-30.	
RW	B33	Mehta <i>et al.</i> "Neutrophils as potential participants in acute myocardial ischemia: relevance to reperfusion." <i>Journal of the American College of Cardiology</i> 1988, 11: 1309-1316.	
RW	B34	Liao, M.-L., Ying, X.-Y., Chung, C., Liang, Y.-T. and Sieb, P.A. 1988 "Synthesis of L-ascorbate and 6-phosphate. <i>Carb. Res.</i> 176: 73-77.	
RW	B35	Hearse, D. J., and Tosaki, A. "Free radicals and calcium: simultaneous interacting triggers as determinants of vulnerability to reperfusion-arrhythmias in the rat heart". <i>Journal of Molecular and Cellular Cardiology</i> 1988, 20:213-223.	
RW	B36	Mashovsky, M. D. Tocopherol acetate (Tocopheroli acetat) 6-Acetoxy-2-methyl-2-(4,8,12-trimethyltridecyl)-chromane". Pages 37-38. Acvit (Acvitum). Page 41. Acetysalicylic acid (Acidum acetysalicylicum). Page 190. 1988, In <i>Medicinal Substances</i> , Part 2, 1988. (Russian, abstracts in English).	
RW	B38	Pung <i>et al.</i> "β-Carotene and canthaxanthin inhibit chemically- and physically-induced neoplastic transformation in 10T1/2 cells." <i>Carcinogenesis</i> , 1988, 9: 533-1539.	
RW	B39	Bertram, <i>et al.</i> "Development of in vitro systems for chemoprevention research". <i>Prev. Med.</i> 1989, 18:562-575.	
RW	B40	Bolli <i>et al.</i> "Direct evidence that oxygen-derived free radicals contribute to post-ischemic myocardial dysfunction in the intact dog." <i>Proceeding of the National Academy of Sciences, U.S.A.</i> 1989, 86:4695-4699	
RW	B41	Opie, L. H. "Reperfusion injury and its pharmacologic modification." <i>Circulation</i> 1989, 80:1049-1092.	
RW	B42	Steinberg <i>et al.</i> "Beyond cholesterol: modifications of low-density lipoprotein that increase its atherogenicity." <i>New England Journal of Medicine</i> 1989, 320: 915.	
RW	B43	Terao, J. "Antioxidant activity of beta-carotene-related carotenoids in solution." <i>Lipids</i> 1989, 24: 659-661.	
RW	B44	In <i>Drug Facts and Comparisons</i> . 1990 Ed. Sewester, C. S., Olin, B. R., Hebel, S. K., Eds. Facts and Comparisons Division, J. B. Lippincott Co., St. Louis, MO. Pages 6, 7, 13, 14, 60, 62, 997, 998	

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RW	B45	Chopra et al. "Free radical scavenging: potentially beneficial action of thiol-containing angiotensin-converting enzyme inhibitors." <i>Biochem Soc Trans</i> 1990, 18:1184-1185.	
RW	B46	Davies et al. "Lipid peroxidation associated with successful thrombolysis." <i>Lancet</i> 1990, 335:741-743.	
RW	B48	Di Mascio et al. "Carotenoids, tocopherols, and thiols and biological singlet molecular oxygen quenchers." <i>Biochem Soc Trans</i> 1990, 18: 1054-1056.	
RW	B49	Fedan, J. S. 1990 "Anticoagulant, antiplatelet, and fibrinolytic (thrombolytic) drugs." In <i>Modern Pharmacology</i> . Third Ed, Little, Brown and Co., Boston, MA.	
RW	B50	Johansson et al. "Recombinant human extracellular superoxide dismutase reduces concentration of oxygen free radicals in the reperfused rat heart." <i>Cardiovascular Research</i> 1990, 24:500-503.	
RW	B51	Kurashige et al. "Inhibition of oxidative injury of biological membranes by astaxanthin." <i>Physiol Chem Phys &amp; Med NMR</i> 1990, 22:27-38.	
RW	B52	Rogers et al. "Retinoid-enhanced gap junctional communication is achieved by increased levels of connexin 43 mRNA and protein" <i>Molecular Carcinogenesis</i> 1990, 3: 335-343.	
RW	B53	Shuter et al. "Studies on the effects of antioxidants and inhibitors of radical generation on free radical production in the reperfused rat heart using electron spin resonance spectroscopy." <i>Free Radical Research Communications</i> 1990, 9: 223-232.	
RW	B54	Williams et al. "The relationship between neutrophils and increased microvascular permeability in a model of myocardial ischemia and reperfusion in the rabbit." <i>British Journal of Pharmacology</i> , 1990, 100: 729-734.	
RW	B55	Bertram et al. "Diverse carotenoids protect against chemically induced neoplastic transformation." <i>Carcinogenesis</i> , 1991, 12: 671-678.	
RW	B56	Di Mascio et al. "Antioxidant defense systems: the role of carotenoids, tocopherols, and thiols." <i>Am J Clin Nutr</i> 1991, 53: 194S-200S.	
RW	B57	Axford Gatley and Wilson "Reduction of experimental myocardial infarct size by oral administration of alpha-tocopherol." <i>Cardiovascular Research</i> , 1991, 25: 89-92.	
RW	B58	Conorev et al. "Improvement of contractile recovery of isolated rat heart after cardioplegic ischemic arrest with endogenous phosphocreatine: involvement of antiperoxidative effect?" <i>Cardiovascular Research</i> 1991, 25: 164-171.	
RW	B59	Esterbauer et al. "Effect of antioxidants on oxidative modification of LDL." <i>Ann Med</i> 1991, 23(5): 573-581.	
RW	B60	McMurray and Chopra "Influence of ACE inhibitors on free radicals and reperfusion injury: pharmacological curiosity or therapeutic hope?" <i>British Journal of Pharmacology</i> 1991, 31: 373-379	
RW	B61	Petty et al. "Effect of a cardioselective alpha-tocopherol analogue on reperfusion injury in rats induced by myocardial ischemia." <i>European Journal of Pharmacology</i> 1991, 192: 383-388.	
RW	B62	Miki, W. "Biological functions and activities of animal carotenoids." <i>Pure Appl Chem</i> 1991, 63(1): 141-146.	

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B63	Welbourn et al. "Pathophysiology of ischemia reperfusion injury: central role of the neutrophil." <i>British Journal of Surgery</i> 1991, 78: 651-655.		
B64	Gabrielson et al. "Measurement of neutrophil activation and epidermal cell toxicity by palytoxin and 12-O-tetradecanoylphorbol-13-acetate." <i>Carcinogenesis</i> 1992, 13 1671-1674.		
B65	Hearse and Bolli. "Reperfusion induced injury: manifestations, mechanisms, and clinical relevance." <i>Cardiovascular Research</i> 1992, 26:101-108.		
B67	Kimura et al. "Moderation of myocardial ischemia reperfusion injury by calcium channel and calmodulin receptor inhibition." <i>Heart Vessels</i> 1992, 7:189-195.		
B68	Lim et al. "Antioxidant activity of xanthophylls on peroxyl radical-mediated phospholipid peroxidation." <i>Biochim. Biophys. Acta</i> 1992, 1126: 178-184.		
B69	Palozza, P. and Krinsky, N. I. "Astaxanthin and canthaxanthin are potent antioxidants in a membrane model." <i>Arch. Biochem. Biophys.</i> 1992, 297: 291-295		
B70	Zhang et al. "Carotenoids up-regulate connexin 43 gene expression independent of their pro-vitamin A or antioxidant properties." <i>Cancer Res.</i> , 1992, 52: 5707-5712.		
B71	Ames et al. "Oxidants, antioxidants, and the degenerative diseases of aging." <i>Proceeding of the National Academy of Sciences, U.S.A.</i> 1993, 90:7915-7922.		
B72	Baxter, G. F., and Yellon, D. M. "Attenuation of reperfusion-induced ventricular fibrillation in the rat isolated hypertrophied heart by preischemic diltiazem treatment." <i>Cardiovasc Drugs Ther</i> (1993). 7: 225-231.		
B73	Clevidence, B. A., and Bieri, J. G. "Association of carotenoids with human plasma lipoproteins." <i>Methods in Enzymology</i> (1993) 214: 33-46.		
B74	Grech et al. "Free-radical generation during angioplasty reperfusion for acute myocardial infarction." <i>Lancet</i> (1993). 341: 990-991.		
B75	Grech et al. "Differential free-radical activity after successful and unsuccessful thrombolytic reperfusion in acute myocardial infarction." <i>Coron. Artery Dis.</i> (1993). 4(9): 769-74.		
B76	Hossain et al. "Retinoids and carotenoids upregulate gap junctional communication: correlation with enhanced growth control and cancer prevention." In <i>Progress in Cell Research Vol. 3: Gap Junctions</i> . (1993) Elsevier, Amsterdam, pp 301-309.		
B77	Jimenez, C., and Pick, U. "Differential reactivity of beta-carotene isomers from <i>Dunaliella bardawil</i> toward oxygen radicals." <i>Plant Physiol</i> (1993). 101: 385-390		
B78	Oshima et al. "Inhibitory effect of beta-carotene and astaxanthin on photosensitized oxidation of phospholipid bilayers." <i>J Nutrit Sci Vitaminol</i> (1993). 39: 607-615.		
B79	Bertram, J.S. and Zhang, L.-X. Assays for the regulation of gap junctional communication and connexin expression by carotenoids. (1994) <i>Methods Enzymol.</i> 234: 235-244.		

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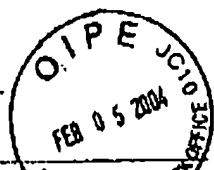
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RW	B80	MacIsaac et al. "Toward the quiescent coronary plaque." <i>Journal of the American College of Cardiology</i> (1993) 22:1228-1241.	
RW	B81	Oliveros et al. Quenching of singlet oxygen by carotenoid derivatives: kinetic analysis by near-infrared luminescence <i>New J. Chem.</i> (1994) 18:535-539.	
RW	B82	Singh et al. "Plasma levels of antioxidant vitamins and oxidative stress in patients with acute myocardial infarction." <i>Acta Cardiologica</i> (1994) Vol. XLIX 5: 441-452.	
RW	B83	Tinkler et al. "Dietary carotenoids protect human cells from damage." <i>Journal of Photochemistry and Photobiology.</i> (1994) 26: 283-285.	
RW	B84	Britton, G. "Structure and properties of carotenoids in relation to function." <i>The FASEB Journal</i> , (1995) 9: 1551-1558.	
RW	B85	Leist et al. "Tumor necrosis factor-induced hepatocyte apoptosis precedes liver failure in experimental murine shock models." <i>American Journal of Pathology</i> (1995) 146: 1220-1234.	
RW	B86	Navab et al. "Pathogenesis of atherosclerosis." <i>American Journal of Cardiology</i> (1995) 76(9): 18C-23C.	
RW	B87	Peters, N. S. "Myocardial gap junction organization in ischemia and infarction." <i>Microsc. Res. Tech.</i> (1995) 31, 375-386.	
RW	B88	Singh et al. "Plasma levels of antioxidant vitamins and oxidative stress in patients with acute myocardial infarction." <i>Acta Cardiologica</i> (1994). Vol. XLIX 5: 441-452.	
RW	B89	Singh et al. "Effect of antioxidant-rich foods on plasma ascorbic acid, cardiac enzymes, and lipid peroxide levels in patients hospitalized with acute myocardial infarction." <i>J Am Diet Assoc</i> (1995). 95: 775-780.	
RW	B90	Torrisen, O. J., and Christiansen, R. "Requirements for carotenoids in fish diets." <i>J Appl Ichthyol</i> (1995). 11: 225-230.	
RW	B91	Aviram, M. "Interaction of oxidized low density lipoprotein with macrophages in atherosclerosis, and the antiatherogenicity of antioxidants." <i>Eur J Clin Chem Clin Biochem</i> (1996). 34(8): 599-608.	
RW	B92	Ben-Amotz, A., and Levy, Y. "Bioavailability of a natural isomer mixture compared with synthetic all-trans beta-carotene in human serum." <i>Am J Clin Nutr</i> (1996). 63: 729-734.	
RW	B93	Mayne, S. "Beta-carotene, carotenoids, and disease prevention in humans." <i>The FASEB Journal</i> (1996). 10: 690-701.	
RW	B94	Moore, A.S., and Papas, A. M. "Biochemistry and health significance of Vitamin E." <i>J. Adv. Med.</i> (1996). 9 11-29.	
RW	B95A	Parker, R. S. Absorption, metabolism, and transport of carotenoids. <i>The FASEB Journal</i> (1996) 10: 542-551.	

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rw	B95	Peters, T. "Ligand binding by albumin." In <u>All About Albumin</u> , Academic Press, San Diego (CA), 1996. Pages 76-128.	
rw	B96	Schaefer <i>et al.</i> "Beneficial effects of RheothRx injection in patients receiving thrombolytic therapy for acute myocardial infarction. Results of a randomized, double-blind, placebo-controlled trial." <i>Circulation</i> (1996) 94(3): 298-307	
rw	B97	Shimidzu <i>et al.</i> "Carotenoids as singlet oxygen quenchers in marine organisms." <i>Fisheries Science</i> (1996). 62(1): 134-137.	
rw	B98	Serrano <i>et al.</i> "Superoxide and hydrogen peroxide induce CD18-mediated adhesion in the postischemic heart." <i>Biochim. Biophys. Acta</i> (1996). 1316: 191-202.	
rw	B99	Singh <i>et al.</i> "Usefulness of antioxidant vitamins in suspected acute myocardial infarction (the Indian experiment of infarct survival-3)." <i>Am J Cardiol</i> (1996). 77: 232-236.	
rw	B100	Stephens <i>et al.</i> "Randomised controlled trial of vitamin E in patients with coronary disease: Cambridge Heart Antioxidant Study (CHAOS)." <i>Lancet</i> (1996). 347(9004): 781-6	
rw	B101	Goulinct, S., and Chapman, M. J. "Plasma LDL and HDL subspecies are heterogeneous in particle content of tocopherols and oxygenated and hydrocarbon carotenoids: relevance to oxidative resistance and atherogenesis." <i>Arterioscler Thromb Vasc Biol</i> (1997). 17: 786-796.	
rw	B102	Kim <i>et al.</i> "Zeaxanthin dipalmitate from <i>Lycium chinense</i> has hepatoprotective activity." <i>Res. Comm. Mol. Path. Pharm.</i> (1997). 97: 301-314.	
rw	B103	Maxwell and Lip "Reperfusion injury: a review of the pathophysiology, clinical manifestations and therapeutic options." <i>Int J Cardiol</i> (1997). 58: 95-117	
rw	B104	Mortensen <i>et al.</i> "Comparative mechanisms and rates of free radical scavenging by carotenoid antioxidants." <i>FEBS Lett.</i> (1997) 418: 91-97.	
rw	B105	Oshima <i>et al.</i> "Accumulation and clearance of capsanthin in blood plasma after the ingestion of paprika juice in men." <i>J Nutr</i> (1997). 127: 1475-1479.	
rw	B106	Perkins <i>et al.</i> "Three-dimensional structure of the gap junction connexon." <i>Biophysical Journal</i> , (1997) 72, 533-544	
rw	B107	Turjman <i>et al.</i> "Rapid liquid chromatographic method to distinguish wild salmon from aquacultured salmon fed synthetic astaxanthin." <i>Journal of AOAC International</i> (1997). 80(3): 622-632	
rw	B108	Holvoet <i>et al.</i> "Oxidized LDL and malondialdehyde-modified LDL in patients with acute coronary syndromes and stable coronary artery disease." <i>Circulation</i> (1998) 98: 1487-1494	
rw	B109	Kaprielian <i>et al.</i> "Downregulation of immunodetectable connexin 43 and decreased gap junction size in the pathogenesis of chronic hibernation in the human left ventricle." <i>Circulation</i> (1998). 97: 651-60.	
rw	B110	Levy <i>et al.</i> "Plasma antioxidants and lipid peroxidation in acute myocardial infarction and thrombolysis." <i>J Am Coll Nutr</i> (1998). 17 (4): 337-341.	

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RW	B111	Sacz <i>et al.</i> "Regulation of gap junctions by protein phosphorylation." <i>Braz J Med Biol Res.</i> , (1998) 31, 593-600.	
RW	B112	Saffitz, J. E., and Yamada, K. A. "Do alterations in intercellular coupling play a role in cardiac contractile dysfunction?" <i>Circulation</i> (1998), 97: 630-632.	
RW	B113	Singh <i>et al.</i> "Randomized, double-blind placebo-controlled trial of coenzyme Q10 in patients with acute myocardial infarction." <i>Cardiovasc. Drugs Ther.</i> (1998). 12: 347-353.	
RW	B114	Bertram, J. S. "Carotenoids and gene regulation." <i>Nutr Rev</i> (1999). 57(6): 182-191.	
RW	B115	Boileau <i>et al.</i> "Carotenoids and vitamin A", <i>In Antioxidant status, diet, nutrition, and health</i> . CRC Press, (1999). Boca Raton, FL, pp. 133-158	
RW	B116	Boileau <i>et al.</i> "Cis-lycopene is more bioavailable than trans-lycopene in vitro and in vivo in lymph-cannulated ferrets." <i>J Nutr</i> (1999). 129: 1176-1181.	
RW	B117	Buffon <i>et al.</i> "Preprocedural serum levels of C-reactive protein predict early complications and late restenosis after coronary angioplasty." <i>Journal of the American College of Cardiology</i> (1999). 34(5): 1512-21.	
RW	B118	Curry <i>et al.</i> "Fatty acid binding to human serum albumin: new insights from crystallographic studies". <i>Biochim. Biophys. Acta</i> . 1999, 1441:131-140.	
RW	B119	Fernandez-Cobo <i>et al.</i> "Downregulation of connexin 43 gene expression in rat heart during inflammation: The role of tumor necrosis factor". 1999, <i>Cytokine</i> 11(3):216-24.	
RW	B120	Hennekens, "Antioxidant vitamins and cardiovascular disease" <i>In Antioxidant status, diet, nutrition, and health</i> . CRC press, (1999) Boca Raton, FL pp. 463-477.	
RW	B121	Horwitz <i>et al.</i> "Timing of treatment for myocardial reperfusion injury." <i>J Cardiovasc Pharmacol</i> (1999). 33 (1): 19-29.	
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RW	B123	Jewell and O'Brien. "Effect of dietary supplementation with carotenoids on xenobiotic metabolizing enzymes in the liver, lung, kidney and small intestine of the rat." <i>British Journal of Nutrition.</i> (1999) 81(3): 235-42.	
RW	B124	Lagrand <i>et al.</i> "C-reactive protein as a cardiovascular risk factor: more than an epiphenomenon?" <i>Circulation</i> , 1999, 100(1):96-102.	
RW	B125	Lowe <i>et al.</i> "Carotenoid composition and antioxidant potential in subfractions of human low-density lipoprotein." <i>Ann Clin Biochem</i> (1999), 36: 323-332.	
RW	B126	Mahaffey <i>et al.</i> "Adenosine as an adjunct to thrombolytic therapy for acute myocardial infarction." <i>Journal of the American College of Cardiology</i> (1999). 34(6): 1711-1720	
RW	B127	Papap, A.M. "Antioxidant status; diet, health and disease; Part I: Factors affecting antioxidant status and its role." <i>Mature Medicine</i> (1999) 315-319.	

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PW	B128	Sajkowska <i>et al.</i> "Fibrinolytic therapy and n-acetylcysteine in the treatment of patients with acute myocardial infarction: its influence on authentic plasma hydroperoxide levels and polymorphonuclear neutrophil oxygen metabolism." <i>Cardiology</i> (1999). 91: 60-65.	
PW	B129	Arab and Steck "Lycopene and cardiovascular disease." <i>Am J Clin Nutr</i> (2000). 71 (supp):1691S-1695S.	
PW	B130	Bhattacharya <i>et al.</i> Crystallographic analysis reveals common modes of binding of medium and long-chain fatty acids to human serum albumin. <i>J. Mol. Biol.</i> (2000) 303: 721-732.	
PW	B131	Ding and Hu, "The synthesis of vicinal halohydrin phosphates via highly regioselective ring opening of epoxides with dialkyl halophosphate," <i>J. Chem. Chem. Soc., Perkin Trans.</i> 2000 1:1651-1655.	
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PW	B135	Iwamoto <i>et al.</i> "Inhibition of low-density lipoprotein oxidation by astaxanthin." <i>Journal of Atherosclerosis and Thrombosis</i> (2000). 7: 216-222.	
PW	B140	Jollis, J. G. and Romano, P. S. "Volume-outcome relationship in acute myocardial infarction." <i>J. Am. Med. Soc.</i> (2000). 284(24): 3169-3171.	
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PW	B142	Lee <i>et al.</i> "Biphasic regulation of leukocyte superoxide generation by nitric oxide and peroxynitrite." <i>Journal of Biological Chemistry</i> (2000). 275: 38965-38972.	
PW	B143	Magid <i>et al.</i> "Relation between hospital primary angioplasty volume and mortality for patients with acute MI treated with primary angioplasty vs thrombolytic therapy." <i>Journal of the American Medical Association</i> , 2000, 284(24):3169-71.	
PW	B144	Mycek <i>et al.</i> <i>Lippincott's Illustrated Reviews: Pharmacology</i> . (2000). Lippincott Williams & Wilkins, pages 201-204.	
PW	B145	Orset and Young "Exposure to low irradiances favors the synthesis of 9-cis beta,beta carotene in <i>Dunaliella salina</i> (Teod.)." <i>Plant Physiol</i> (2000). 122: 609-617.	
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PW	B147	Ounpuu <i>et al.</i> "The global burden of cardiovascular disease." <i>Medscape Cardiology</i> (2000). 04: 1-5.	
PW	B148	Peters and Wit "Gap junction remodeling in infarction: does it play a role in arrhythmogenesis?" <i>J Cardiovasc Electrophysiol</i> (2000). 11(4): 488-90.	
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PW	B150	Upritchard <i>et al.</i> "Effect of supplementation with tomato juice, vitamin E, and vitamin C on LDL oxidation and products of inflammatory activity in type 2 diabetes." <i>Diabetes Care</i> (2000). 23(6): 733-738.	
PW	B151	Watanabe <i>et al.</i> "Role of Arg-410 and Tyr-411 in human serum albumin for ligand binding and esterase-like activity." <i>Biochemical Journal</i> (2000) 349: 813-819.	
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PW	B153	Duilio <i>et al.</i> "Neutrophils are primary source of O <sub>2</sub> radicals during reperfusion after prolonged myocardial ischemia." <i>Am. J. Physiol. Heart Circ. Physiol.</i> (2001). 280 H2649-H2657.	
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PW	B155	Jialal <i>et al.</i> "Is there a vitamin E paradox?" <i>Current Opinions in Lipidology</i> (2001). 12: 49-53.	
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PW	B158	Lutnaes <i>et al.</i> "Is (9Z)-'meso'-zeaxanthin optically active?" <i>Chirality</i> (2001). 13: 224-229.	
PW	B159	Roe <i>et al.</i> "Shifting the open-artery hypothesis downstream: the quest for optimal reperfusion." <i>Journal of the American College of Cardiology</i> (2001). 37: 9-18.	
PW	B160	Zsila <i>et al.</i> "Chiral detection of carotenoid assemblies." <i>Chirality</i> (2001). 13: 446-453.	
PW	B161	Zsila <i>et al.</i> "Investigation of the self-organization of lutein and lutein diacetate by electronic absorption, circular dichroism spectroscopy, and atomic force microscopy." <i>J. Phys. Chem.</i> (2001) B 105: 9413-9421.	
PW	B162	Zsila <i>et al.</i> "Induced chirality upon crocetin binding to human serum albumin: origin and nature." <i>Tetrahedron: Asymmetry</i> (2001) 12: 3125-3137.	
PW	B163	Zsila <i>et al.</i> "Supramolecular assemblies of carotenoids." <i>Chirality</i> , 2001, 13:739-744.	
PW	B164	Barrett <i>et al.</i> "C-reactive protein associated increase in myocardial infarct size after ischemia/reperfusion." <i>Journal of Pharmacology and Experimental Therapeutics</i> (2002). 303(3): 1007-1013.	
PW	B165	Bikáči <i>et al.</i> "The supramolecular structure of self-assembly formed by capsanthin derivatives." <i>Enantiomer</i> (2002) 7: 67-76.	
PW	B166	Choi <i>et al.</i> "Interactions of very long-chain saturated fatty acids with serum albumin." <i>J. Lipid Res.</i> (2002) 43: 1000-1010.	

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		APPLICANT: Lockwood et al.	CONF. NO.: 6864
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<i>PW</i>	B167	Kistler <i>et al.</i> "Metabolism and CYP-inducer properties of astaxanthin in man and primary human hepatocytes." <i>Arch. Toxicol.</i> (2002) 75: 665-675.	
<i>rw</i>	B168	Kragh-Hansen <i>et al.</i> "Practical aspects of the ligand-binding and enzymatic properties of human serum albumin." <i>Biol. Pharm. Bull.</i> (2002) 25: 695-704.	
<i>PW</i>	B169	Kurihara <i>et al.</i> "Contribution of the antioxidative property of astaxanthin to its protective effect on the promotion of cancer metastasis in mice treated with restraint stress." <i>Life Sci.</i> (2002). (21): 2509-20.	

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## U.S. PATENT DOCUMENTS

EXAM. INITIALS	REF. DES	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE

## FOREIGN PATENT DOCUMENTS

EXAM. INITIALS	REF. DES	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES/NO
<i>rw</i>	A10	WO 02/068385	9/6/2002	PCT			N/A
<i>rw</i>	A11	WO 03/066583	14-08-2003	PCT			N/A
<i>rw</i>	A12	WO 98/29111	7/9/1998	PCT			N/A
<i>rw</i>	A13	JP 2001114673	4/24/2001	JP			Abstract
<i>rw</i>	A14	JP 08073312	3/19/1996	JP			Abstract
<i>rw</i>	A15	JP 08337592	12/24/1996	JP			Abstract
<i>rw</i>	A16	JP 09084591	03/31/1997	JP			Abstract
<i>rw</i>	A17	JP 10327865	12/15/1998	JP			Abstract
<i>rw</i>	A18	JP 09202730	08/05/1997	JP			Abstract

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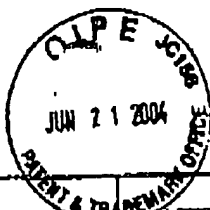
*Robert W. Walker*

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RW	B170	Rao and Agarwal "Bioavailability and in vivo antioxidant properties of lycopene from tomato products and their possible role in the prevention of cancer." <i>Nutrition and Cancer</i> 1998, Vol. 31, pp 199-203					
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RW	B172	Duhamel et al., "Terminally substituted linear conjugated polyenes: precursors of molecular wires." <i>Tetrahedron Letters</i> 1993, Vol. 34, pp 7399-7400.					
RW	B173	Xu et al. "TXA2-PGI2 balance disorder in rat brain with incomplete cerebral ischemia and reperfusion, and the correction of this imbalance by carthamin xanthophyll." <i>Jinan Daxue Xuebao, Ziran Kexue Yu Yixueban</i> , 1993, Vol. 14, pp 34-38 (Abstract only)					
RW	B174	Engster, "Beilstein Institut zur Foerderung der chemischen Wissenschaft, Tnaxanthin, Database accession number 2313964." <i>Carotenoid Chemistry and Biochemistry, Proceedings of the 6th International Symposium on Carotenoids</i> , 1981, pp 1-9 (Abstract only)					
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